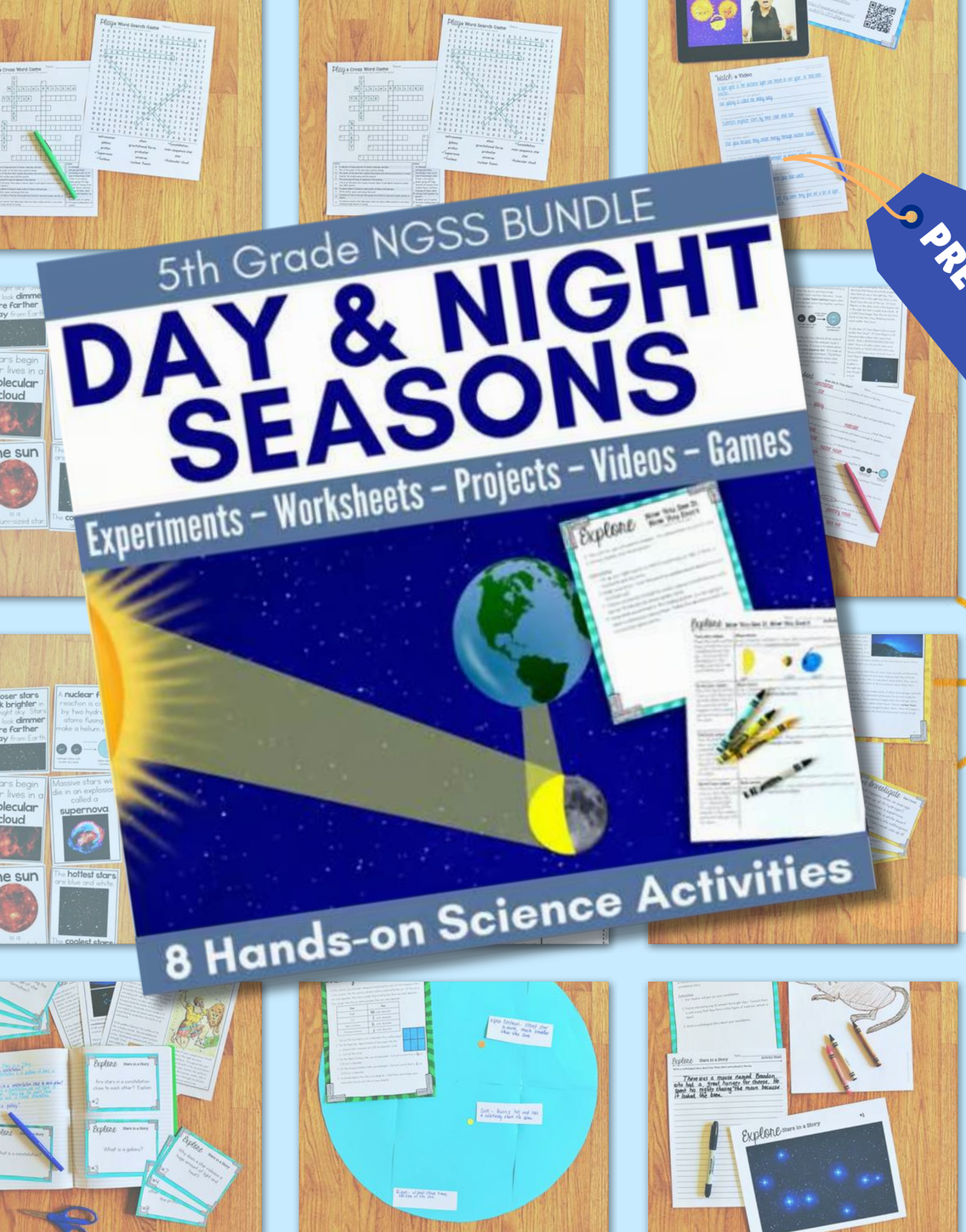


Everything You Need to Teach Day & Nigh!

5TH GRADE

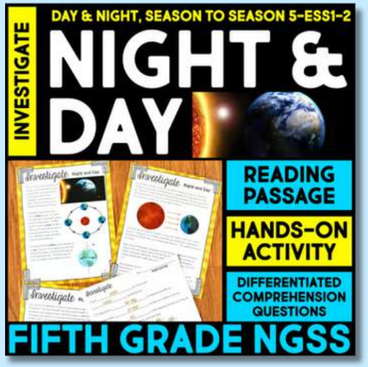
DAY & NIGHT BUNDLE

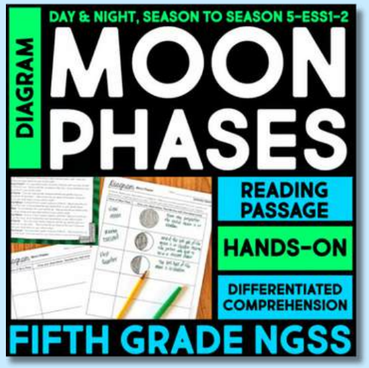
KEEP SCROLLING TO SEE WHAT'S INSIDE!

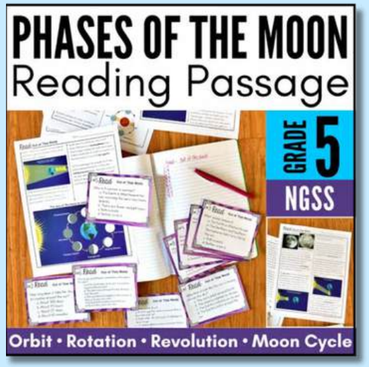
WHAT'S INCLUDED IN THE BUNDLE?

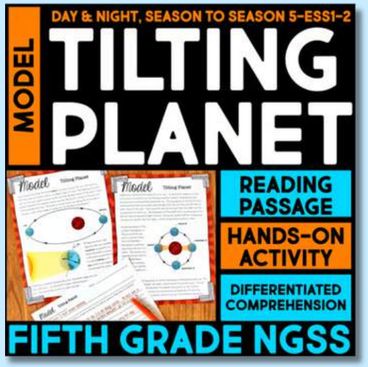










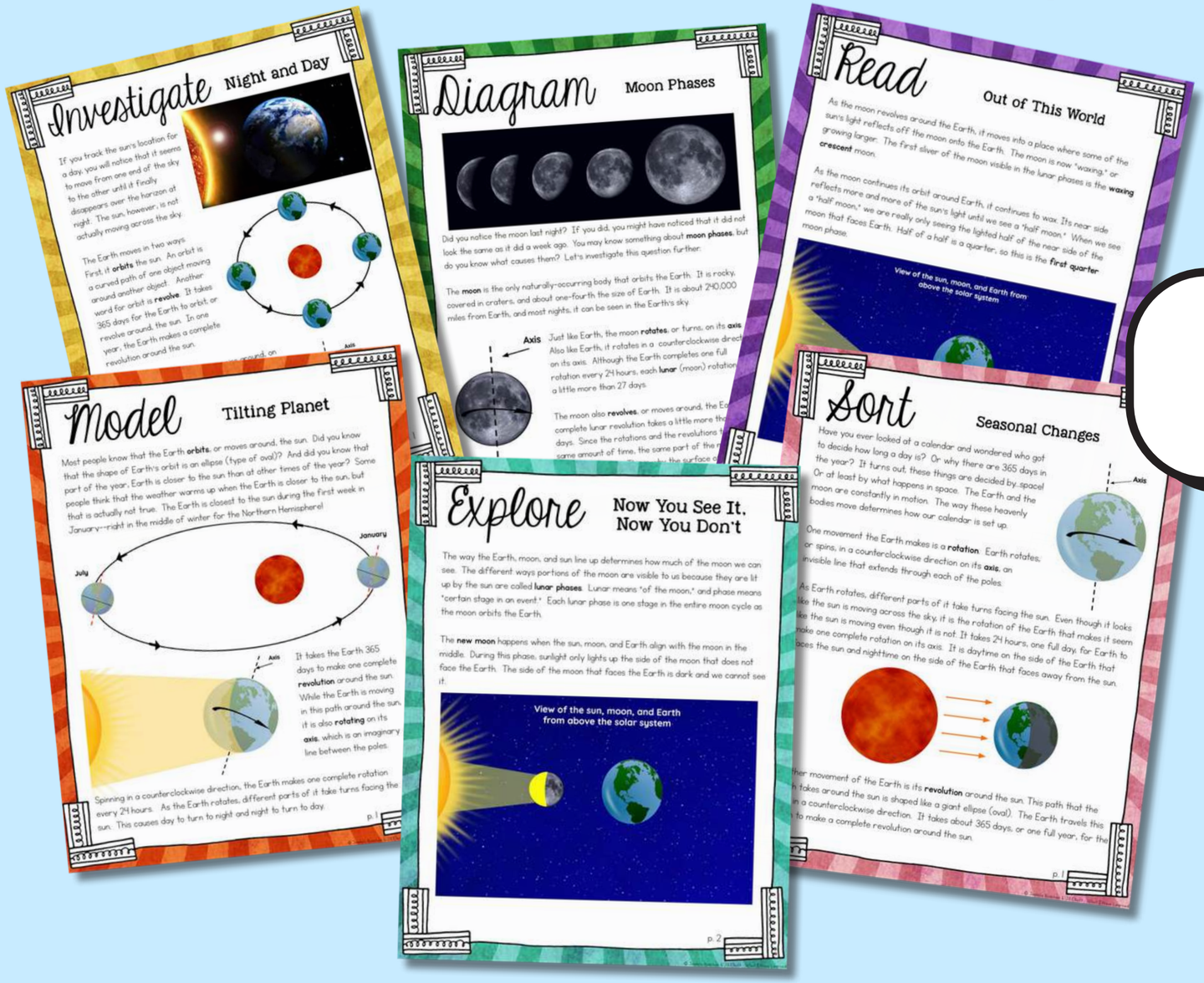






- 8 Science Stations aligned with the NGSS for 5th grade
- 6 Reading passages
- Hands-on activities
- Differentiated comprehension questions
- Digital Videos & Video Games
- Digital Google Slides & Forms

6 READING PASSAGE



6 Reading Passages that provide all scientific background knowledge for each station

Available in two formats + Digital

Includes pictures and visuals

PAGE OVERVIEW



ADD TO CART



Day to Night, Season to Season Unit BUNDLE

Station & Name		Standards	Objective
Big Idea Posters & Vocabulary Cards (included with the BUNDLE)			
Watch	A Day on Earth / Seasons and the Sun	5-ESSI-2, (ELA) SL.4.2	Students will watch a video about night and day or a video about seasons. They will answer questions in order to reinforce what they have learned.
Play	Board Game / Crossword or Word Search Puzzle	5-PSI-1, 5-PS2-1, , 5-ESSI-2, (ELA) RI.5.1, RFS.4, WS.2, WS.8	Students will play a game in order to reinforce what they have learned about day to night and seasons.
Investigate	Night and Day	5-ESSI-1, (ELA) RI.5.1, RFS.4, WS.2, WS.8	Students will read about patterns that are caused by the movement of the Earth around the sun. They will investigate what happens as the Earth revolves around the sun while rotating on its axis. They will answer questions in order to reinforce what they have learned.
Diagram	Moon Phases	5-ESSI-2, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RFS.4, WS.2, WS.8	Students will read about the different phases of the moon. They will create a diagram of this based on an activity they conduct. Students will then answer questions in order to reinforce what they have learned.
Read	Out of this World	5-ESSI-2, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RFS.4, WS.2, WS.8	Students will read about how the rotations and revolutions of the Earth and moon cause changes in patterns on Earth. They will answer questions in order to reinforce what they have learned.
Model	Tilting Planet	5-ESSI-2, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RFS.4, WS.2, WS.8	Students will read about how the Earth's tilt, rotation, and revolution cause the seasons on Earth to change. They will use models to conduct an investigation about this.
Explore	Now You See It; Now You Don't	5-ESSI-2, (ELA) RI.5.1, RI.5.2, RI.5.3, RI.5.4, RI.5.5, RI.5.8, RFS.4, WS.2, WS.3, WS.8	Students will read about solar and lunar eclipses. They will explore these events in a hands-on activity. They will answer questions in order to reinforce what they have learned.
Sort	Seasonal Changes	5-ESSI-2, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RFS.4, WS.2, WS.8	Students will read about seasonal changes and their causes and effects. They will sort several scenarios according to their season. They will then answer questions in order to reinforce what they have learned.



Science Stations Overview

This is a general overview of all science stations in each UNIT BUNDLE.

Watch a Video
At this station, students will watch a video relevant to the topic and answer questions. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Read a Passage
Students read a short passage about the topic and answer questions about the information in the passage. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Play a Game
Students play a game and answer questions about the experience. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Create a Model
Students use materials to illustrate the science concept and answer questions. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Investigate
Students use materials to investigate the science topic by following directions and recording results. Students answer questions about the investigation.

Explore
Students create a sample and manipulate it using the new science concepts they have learned. Students answer questions based on the effects.

Draw a Diagram
Students draw and label a diagram specific to certain requirements. Students then explain how their diagram meets the requirements.

Sort
Students sort cards into groups or put them in a specific order. Students record the sort and then describe their reasoning.



Day to Night, Season to Season Unit Bundle
Science Stations
NGSS Standards Overview
5-ESSI-2

Next Generation Science Standards are written to be "Three Dimensional." The following section explains how this set of science stations addresses the three dimensions of Performance Expectation, Disciplinary Core Idea, and Science and Engineering Practices/Crosscutting Concepts.

In Fifth Grade, students are expected to demonstrate understanding in the following area:

5-ESSI-2. Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky. [Clarification Statement: Examples of patterns could include the position and motion of Earth with respect to the sun and selected stars that are visible only in particular months.] [Assessment Boundary: Assessment does not include causes of seasons.]

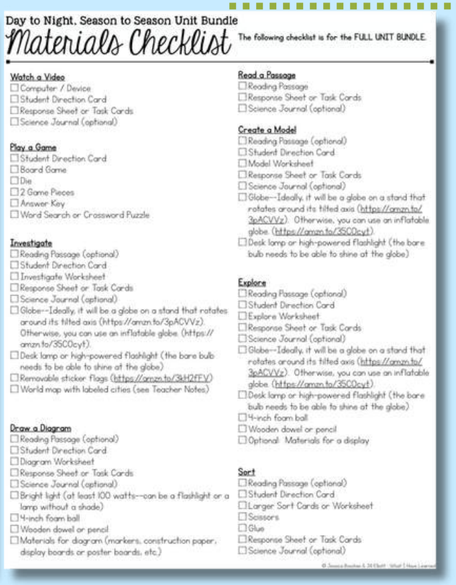
This correlates with the DCI 5-ESSIB which states:

ESSIB: Earth and the Solar System
The orbits of Earth around the sun and of the moon around Earth, together with the rotation of Earth about an axis between its North and South poles, cause observable patterns. These include day and night; daily changes in the length and direction of shadows; and different positions of the sun, moon, and stars at different times of the day, month, and year.

All stations in this set meet the DCI, helping students gain an understanding of how the changes that take place over daily and seasonal periods are affected by the orbit and the axis of the Earth.

Science and Engineering Practices
Analyzing and Interpreting Data
Analyzing data in 3-5 builds on K-2 experiences and progresses to introducing quantitative approaches to collecting data and conducting multiple trials of qualitative observations. When possible and feasible, digital tools should be used.
- Represent data in graphical displays (bar graphs, pictographs and/or pie charts) to reveal patterns that indicate relationships.

Crosscutting Concepts
Patterns
- Similarities and differences in patterns can be used to sort, classify, communicate and analyze simple rates of change for natural phenomena.



Day to Night, Season to Season Unit Bundle
Materials Checklist
The following checklist is for the FULL UNIT BUNDLE.

Watch a Video
- ☐ Computer / Device
- ☐ Student Direction Card
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)

Play a Game
- ☐ Student Direction Card
- ☐ Board Game
- ☐ Die
- ☐ 2 Game Pieces
- ☐ Answer Key
- ☐ Word Search or Crossword Puzzle

Investigate
- ☐ Reading Passage (optional)
- ☐ Student Direction Card
- ☐ Investigate Worksheet
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)
- ☐ Globe--Ideally, it will be a globe on a stand that rotates around its tilted axis (https://amzn.to/3pACVVz). Otherwise, you can use an inflatable globe. (https://amzn.to/3SCOcyt).
- ☐ Desk lamp or high-powered flashlight (the bare bulb needs to be able to shine at the globe.)
- ☐ Removable sticker Flags (https://amzn.to/3kH2FFV)
- ☐ World map with labeled cities (see Teacher Notes)

Draw a Diagram
- ☐ Reading Passage (optional)
- ☐ Student Direction Card
- ☐ Diagram Worksheet
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)
- ☐ Bright light (at least 100 watts--can be a flashlight or a lamp without a shade)
- ☐ 4-inch foam ball
- ☐ Wooden dowel or pencil
- ☐ Materials for diagram (markers, construction paper, display boards or poster boards, etc.)

Read a Passage
- ☐ Reading Passage
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)

Create a Model
- ☐ Reading Passage (optional)
- ☐ Student Direction Card
- ☐ Model Worksheet
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)
- ☐ Globe--Ideally, it will be a globe on a stand that rotates around its tilted axis (https://amzn.to/3pACVVz). Otherwise, you can use an inflatable globe. (https://amzn.to/3SCOcyt).
- ☐ Desk lamp or high-powered flashlight (the bare bulb needs to be able to shine at the globe.)

Explore
- ☐ Reading Passage (optional)
- ☐ Student Direction Card
- ☐ Explore Worksheet
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)
- ☐ Globe--Ideally, it will be a globe on a stand that rotates around its tilted axis (https://amzn.to/3pACVVz). Otherwise, you can use an inflatable globe. (https://amzn.to/3SCOcyt).
- ☐ Desk lamp or high-powered flashlight (the bare bulb needs to be able to shine at the globe.)
- ☐ 4-inch foam ball
- ☐ Wooden dowel or pencil
- ☐ Optional: Materials for a display

Sort
- ☐ Reading Passage (optional)
- ☐ Student Direction Card
- ☐ Larger Sort Cards or Worksheet
- ☐ Scissors
- ☐ Glue
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)

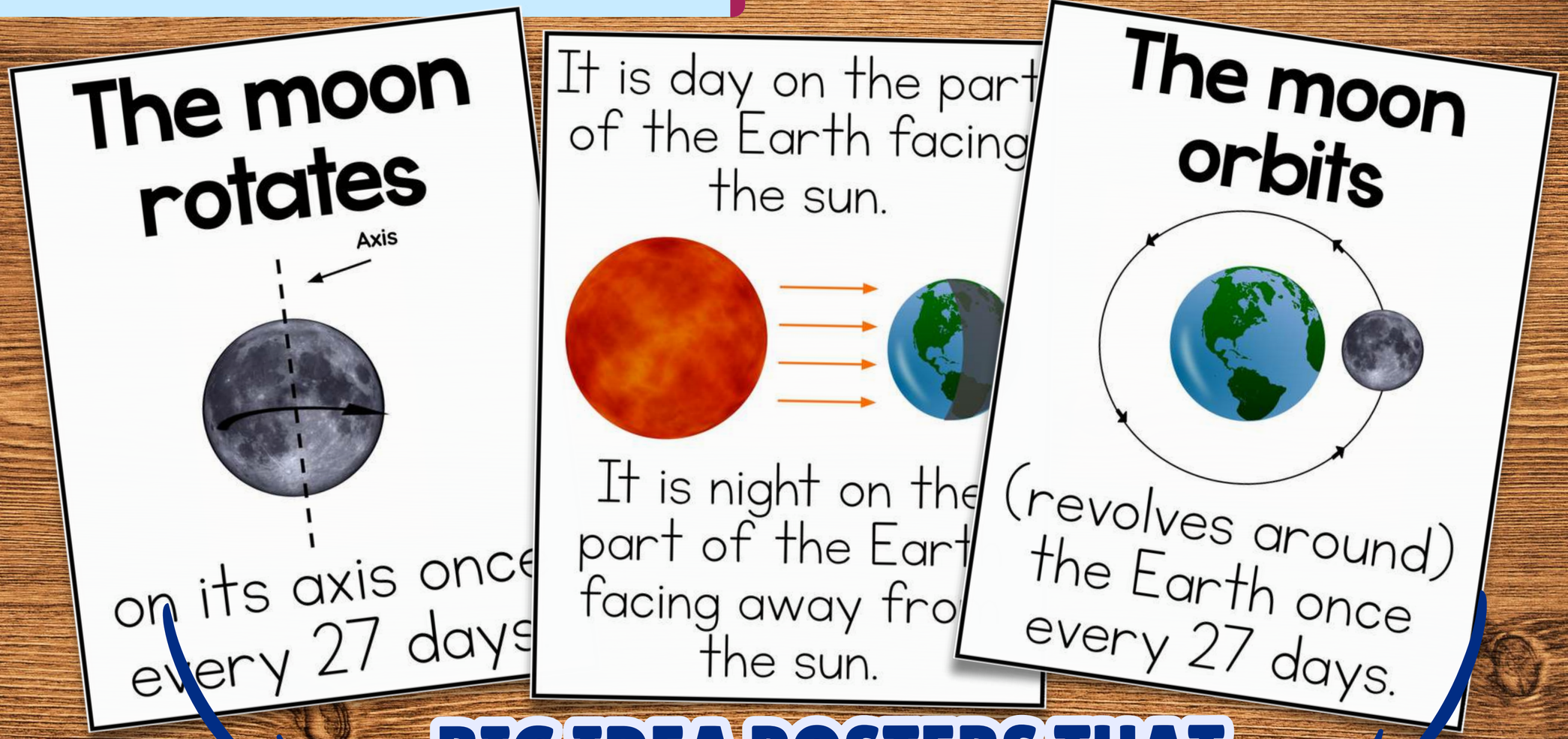
Table of Contents

Science Station Overview

Materials Checklist

Science Stations

BIG IDEA POSTERS



BIG IDEA POSTERS THAT EXPLAIN THE KEY CONCEPTS



VOCABULARY CARDS WITH PICTURE



VOCABULARY CARDS WITHOUT PICTURE



WATCH STATION

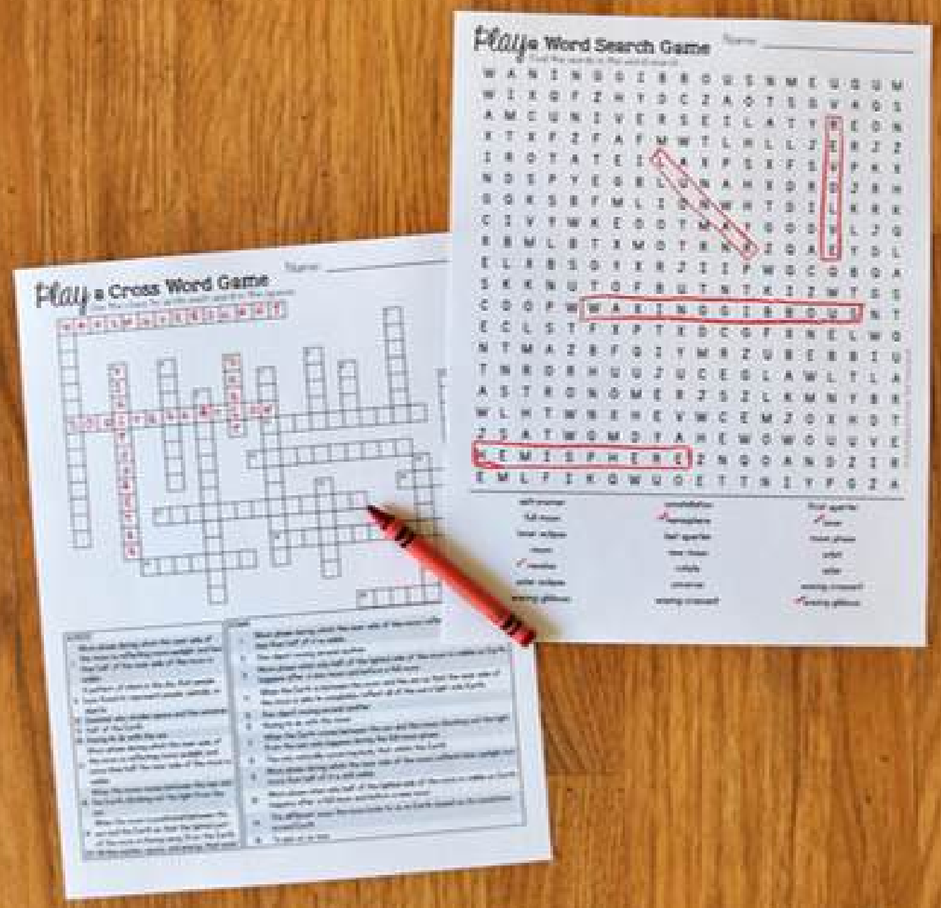
STUDENTS VIEW A VIDEO ABOUT DAY/NIGHT AND SEASONS AND ANSWER COMPREHENSION QUESTIONS.

> This science pack was extremely helpful to teach my students!
> - Sarah H.

PLAY STATION

CHOOSE FROM A BOARD GAME, ACTIVE MOVEMENT GAME, CROSSWORD, OR WORD SEARCH.

> Great supplemental resource and students were very engaged.
> - Ansley T.





INVESTIGATE STATION

A HANDS-ON ACTIVITY EXPLORING EARTH'S ORBIT AND AXIS .

> “Has so many ways to review the concept. Lots of options”
>
> - James K.

DIAGRAM STATION

READ AND DRAW THE MOON PHASES.

> It was user-friendly and very informational.
> - Judy A.





READ STATION

INFORMATIONAL TEXT WITH COMPREHENSION QUESTIONS.

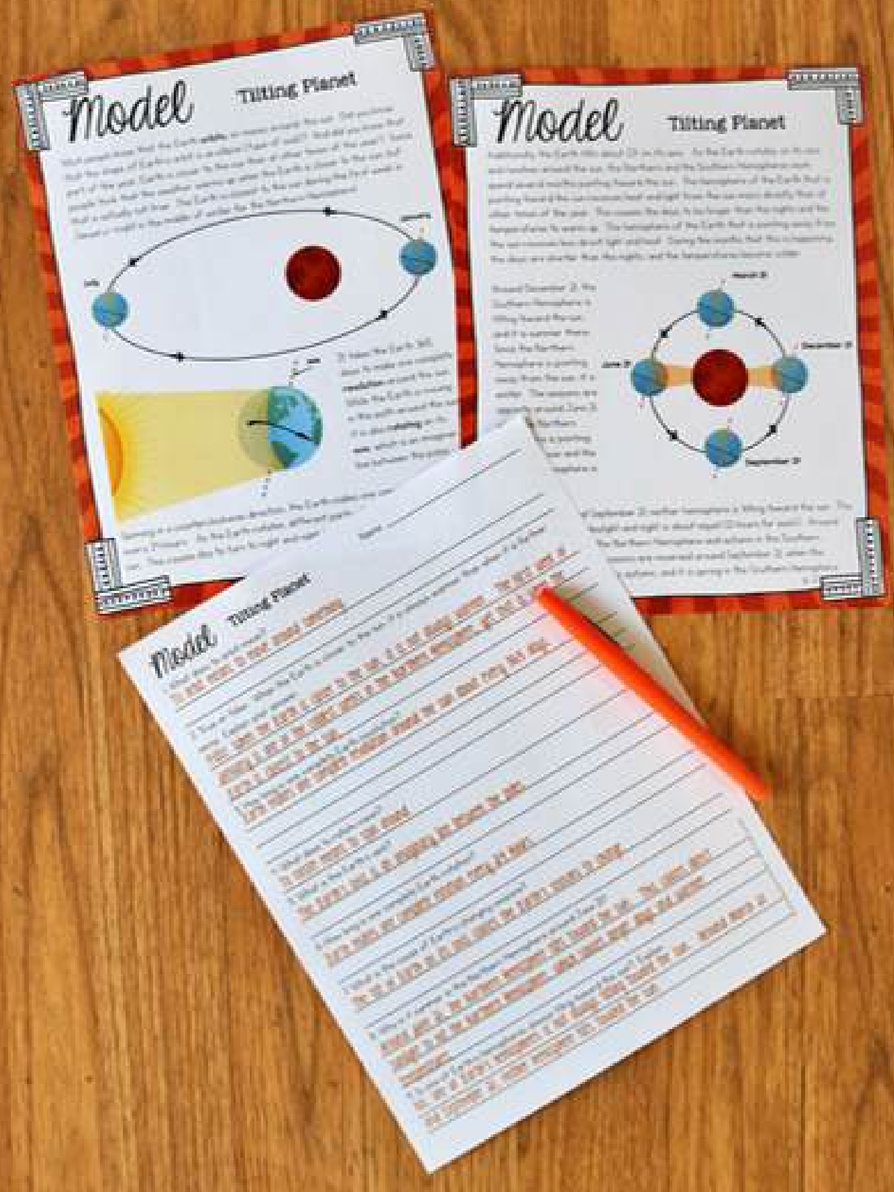
"I love these resources; they are simple yet effective. Thank you!
- Christy S."

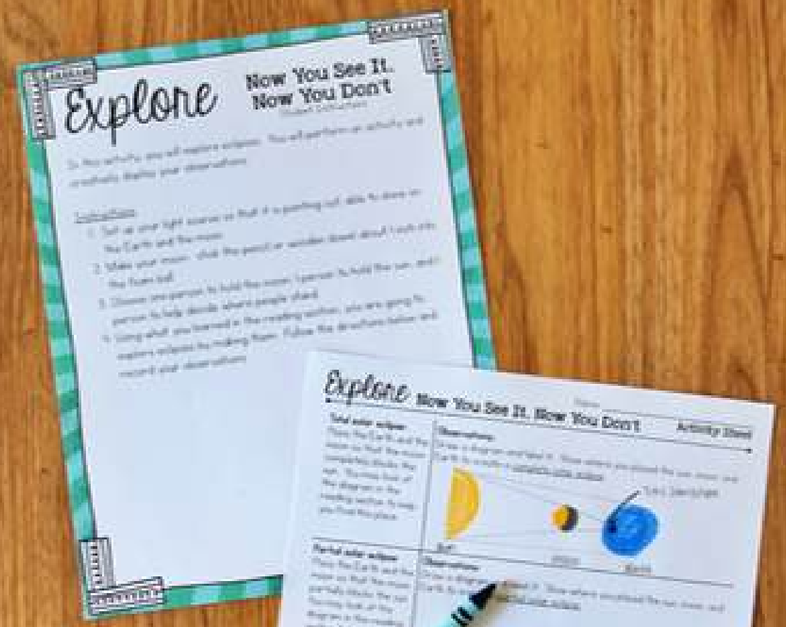
MODEL STATION

EXPLORE HOW EARTH'S TILT AFFECTS SEASONS WITH A GLOBE AND LIGHT SOURCE

"I was able to use this resource in so many ways in my classroom!"

- Erin L.





EXPLORE STATION

HANDS-ON ECLIPSE ACTIVITY AND READING

> "Your Science Bundles are my favorite item to purchase. As always, the best!!
> - Kerri P."

SORT STATION

SORT STARS BY AGE USING TEXT-BASED EVIDENCE.

> This is a great resource for 5th grade! Our kids loved it.
> - Delia T.



WATCH • PLAY • INVESTIGATE • DIAGRAM • READ • MODEL • EXPLORE • SORT

DAY & NIGHT ACTIVITIES

SUGGESTED USES

Learning Stations

Use all eight stations or just a few as learning stations that students complete at their own pace.

Science Centers

Set up a rotation where students visit each center to complete the activities.

Whole Class

Use the activities in a whole class format.

Small Group

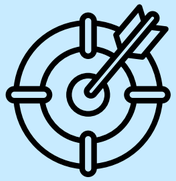
Use the activities with a small group who need extra help.

YOU WILL LOVE THIS BECAUSE



Complete Earth & Space Science Unit

Covers day and night, seasons, moon phases, eclipses, and Earth's movements in one organized, standards-aligned resource bundle.



Direct NGSS Alignment

All activities support the NGSS standard 5-ESS1-1, helping students observe and measure properties to identify and classify materials.



Saves Teachers Valuable Time

With ready-to-use materials, digital options, and answer keys included, teachers can quickly implement engaging science instruction.

TEACHERS LOVE IT!

My students loved this resource. It was engaging and really helped them reflect on what they have learned.

Jennifer D Morley

I loved using these resources as they provided a supplement to the curriculum resources we have. What I appreciate most is that the tasks appeal to a variety of learning styles to help engage all students.

Jessica S.





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to get more resources!

My passion is making learning accessible to all students.
I love scaffolding learning, breaking down the concepts and building them up so that students can see the connections.
I love figuring out the small components that build up to the big ideas and helping students see it all.



teach MATH | teach SCIENCE | teach READING | teach WRITING

What I have LEARNED